

19970808.qrp v00\_n812.qrs.970808

>From ???@??? Sat Aug 09 01:19:25 1997  
Date: Fri, 8 Aug 1997 19:03:18 EDT  
Subject: QRP-L digest 812  
Message-Id: <97Aug8.190358edt.35256-28186+147@fidoi.cc.Lehigh.EDU>

## QRP-L Digest 812

Topics covered in this issue include:

- 1) [24500] 30 meters  
by Joel Malman <malman@BBN.COM>
- 2) [24501] For Sale: MFJ-9020 20m Xcvt  
by SNickrand@aol.com
- 3) [24502] For Sale: A&A Eng. 20m QRP Transceiver  
by SNickrand@aol.com
- 4) [24503] Conditions, etc.  
by kt3a@juno.com
- 5) [24504] 30,000 caps/pc board.....  
by n5inz@juno.com (John M Andrews)
- 6) [24505] Re: [HomeBrew] cutting pcb material  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 7) [24506] OHR EXP II 40M tuning range  
by Chris Cartwright <ccart@dns.vidtel.com>
- 8) [24507] Companion  
by "Dean Marzocca" <n2tnn@ifu.net>
- 9) [24508] Albuquerque, NM Hamfest - Aug 23-24  
by n5zgt@swcp.com (Brian Mileschosky)
- 10) [24509] Pager squelch filter for CW  
by johnhill@freenet.edmonton.ab.ca
- 11) [24510] FOR SALE: Autek QF-1A Filter  
by Kory Hamzeh <kory@avatar.com>
- 12) [24511] Re: Conditions, etc.  
by Bill Todd <bill@techline.com>
- 13) [24512] 38S saga quick update  
by doug hauff <slmachco@fix.net>
- 14) [24513] SST to ARK20 QSO  
by camqrp@cyberg8t.com (Cam Hartford)
- 15) [24514] Commercial QRP Rig?  
by "Brian K. Short" <shortckt@primenet.com>
- 16) [24515] KH6-guano  
by talljazz@teleport.com (Dan Presley)
- 17) [24516] NW QRP Club "Informal" mtg 8/9/97  
by Bill Todd <bill@techline.com>
- 18) [24517] Re: Scratch building  
by NilsBull@aol.com
- 19) [24518] RE: summer doldrums/scratch building

by Mark Oeltjenbruns <marko@winternet.com>

20) [24519] CQ/73 Mags GONE  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)

21) [24520] Back in the saddle again and looking for someone I made a prom ise  
to....  
by "Pat A. Taber" <pat@vtpo1.genrad.com>

22) [24521] DB. help for contest.  
by "ukii" <ukii@megsinet.net>

23) [24522] Dan's NW8020 vs Emtech's NW80  
by "Robert W. Shaw" <lycott@fox.nstn.ca>

24) [24523] Altoids: An observation  
by wb2vuo@juno.com (William K Hibbert)

25) [24524] Re: Broadband Amp  
by Ed Pacyna <pacyna@auratek.com>

26) [24525] Re: Dan's NW8020 vs Emtech's NW80  
by "Rick LaBanca" <rlabanca@eps.inso.com>

27) [24526] RIGS FOR SALE  
by Jim <kw3u@warwick.net>

28) [24527] RE: DB. help for contest.  
by Mark Arvidson <arvidson@swbell.net>

29) [24528] QSO with the deeat.meister  
by Mike Robinson <miker@comlinear.nsc.com>

30) [24529] Re: Dan's NW8020 vs Emtech's NW80  
by n4js@amsat.org

31) [24530] RE: DB. help for contest.  
by Monte Stark <ku7y@sage.dri.edu>

32) [24531] FS: Ten Tec Century 21  
by "William C. Robbins" <billrobb@net-link.net>

33) [24532] RE: DB. help for contest.  
by torell@sicom.com (Kent Torell)

34) [24533] RE: DB. help for contest.  
by Monte Stark <ku7y@sage.dri.edu>

35) [24534] RE: DB. help for contest.  
by Jack Meadows <jackmead@getnet.com>

36) [24535] HELP IDENTIFYING COAX  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)

37) [24536] RE: Broadband amps  
by Steven Weber <kd1jv@moose.ncia.net>

38) [24537] HELP IDENTIFYING COAX  
by Ray Anderson <Raymond.Anderson@Eng.Sun.COM>

39) [24538] Re: HELP IDENTIFYING COAX  
by Paul Harden <pharden@aoc.nrao.edu>

40) [24539] RE: HELP IDENTIFYING COAX  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>

41) [24540] RE: Broadband amps  
by Kory Hamzeh <kory@avatar.com>

42) [24541] Re: DB. help for contest.  
by "Michael Connor" <mikec@primerenet.com>

- 43) [24542] Re: summer doldrums/scratch building  
by Ed Loranger <we6w@qsl.net>
- 44) [24543] Re: HELP IDENTIFYING COAX  
by Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
- 45) [24544] RE: FDIM Paper  
by pa3asc@magigimmix.xs4all.nl (Mike Perry)
- 46) [24545] Re: summer doldrums/scratch building  
by Al Moyle <moyle@essc.psu.edu>
- 47) [24546] SA/SA manual  
by Steven Weber <kd1jv@moose.ncia.net>
- 48) [24547] RE: Broadband amps  
by Ed Pacyna <pacyna@auratek.com>
- 49) [24548] Re: summer doldrums/scratch building  
by Ed Loranger <we6w@qsl.net>
- 50) [24549] FS: QRP, 2m amp, 2m HT, misc. accessories  
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
- 51) [24550] Re: FS: QRP, 2m amp, 2m HT, misc. accessories  
by "Brian K. Short" <shortckt@primenet.com>
- 52) [24551] Re: summer doldrums/scratch building  
by Chris Trask <ctrask@primenet.com>
- 53) [24552] Belden 8262 coax  
by "David Maliniak" <dmaliniak@penton.com>
- 54) [24553] Re: summer doldrums/scratch building  
by Ed Loranger <we6w@qsl.net>
- 55) [24554] TEXAS QSO PARTY (QRP)WINNER?  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 56) [24555] fox hunt encryption: humor, no offense intended  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 57) [24556] gal@nccmail.attmail.com (Gary Lindemann): Special events this weekend.  
by n4oln@juno.com
- 58) [24557] gal@nccmail.attmail.com (Gary Lindemann): Maryland - DC QSO Party  
by n4oln@juno.com
- 59) [24558] gal@nccmail.attmail.com (Gary Lindemann): Hamfests this weekend  
by n4oln@juno.com
- 60) [24559] 38s sucess  
by "DeWell, Steve (AZ77)" <Steve.Dewell@CAS.honeywell.com>

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Date: Thu, 7 Aug 97 19:04:54 EDT  
From: Joel Malman <malman@BBN.COM>  
To: qrp-l@Lehigh.EDU  
Cc: malman@BBN.COM  
Subject: [24500] 30 meters  
Message-ID: <199708072305.TAA39460@nss2.CC.Lehigh.EDU>

Folks,

I'm still trying to work 100 countries on 30 meters QRP. Got a long way to go as I worked my number 57, P30XM (Cyprus) last night. I tried hard to work CT1FJK today, but he just did not hear me. Has anyone on the list managed to work 100 countries QRP on 30m yet? Surely someone must have done this trick by now.

I would really like to finish up WAS one of these days, but I just can not seem to work Hawaii -- and I have been trying for over 2 years now. Any KH6 stations on the list? If so, please let me now when you can hear the East Coast. I have tried early morning (1100z), late afternoon (2200z) and even the middle of the night (0600z) to catch Hawaii. At this point, maybe it just can not be done on 30 meters. Sigh.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)

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Date: Thu, 7 Aug 1997 19:19:20 -0400 (EDT)  
From: SNickrand@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [24501] For Sale: MFJ-9020 20m Xcvr  
Message-ID: <970807191919\_-970779772@emout05.mail.aol.com>

For sale: MFJ 9020 20m CW Transceiver  
Price: 95\$ Plus shipping  
Description: 14.000 - 14.075 coverage  
superhet receiver  
clean 5 watts output  
Semi QSK  
RIT  
Built in speaker--lots of volume  
Includes manual

Cosmetically clean. One of the earlier versions from MFJ but same hot receiver thanks to the Rick Littlefield (K1BQT) receiver upgrade, which is the only mod on this radio. The only thing not "perfect" on this radio is the sidetone, which has a lower than normal tone, but quite adequate for the purpose a sidetone is to serve.

Reason for selling: Want to buy SWL SSB radio for mobile use

Bill Nickrand, KB9KOL

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Date: Thu, 7 Aug 1997 19:20:56 -0400 (EDT)  
From: SNickrand@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [24502] For Sale: A&A Eng. 20m QRP Transceiver  
Message-ID: <970807192001\_108107909@emout17.mail.aol.com>

For Sale A&A 20m, Transceiver  
Price: \$70 plus shipping (Originally cost \$159.95)  
Comes with copy of QST article, schematic and general instructions from A&A

This is the Gary Breed xcvr which appeared in Dec'90, Jan'91 QST featuring Single signal receiver with narrow CW crystall filter, VFO main and Fine tuning, covering any 50 khz portion of the 20m band S meter, and built in speaker

PROBLEM--Radio does not transmit although my DMM shows signal the way up to the final filter. One foil area of the PCB in the area of the final filter has lifted. I have new parts for many of the solid state components which will be sent with the radio. Was designed for 5 watts output (when working ).

Reason for selling: Want to buy SWL SSB rig for mobile operations.  
Bill Nickrand KB9KOL

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Date: Thu, 07 Aug 1997 19:21:06 EDT  
From: kt3a@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [24503] Conditions, etc.  
Message-ID: <19970808.190220.5423.2.kt3a@juno.com>

Ladies and Gentlemen,

Someone mentioned the conditions on QRP-L are down. I see the solar flux is slowly climbing. Sure miss the events on the bands. 50/40/30 came and went by already. What is left? Pre-season football? (NOT)! We have the WIMPS! Where are the WIMPS? I hear some on 30, but that is all. Little of Es on 10 to liven up the 10X crowd, but that is it. The problem with Es is it is too sparadic <g>. What is the new contest from the scQRPions? Give us some hints Joe. I wanted to drum up a contest from the QRP society of Central PA, so I am looking for ideas. I know there will be the QRP to the field. What about the crystal rig test from NE? Still

on?

Guess I'll just to have to try some new mods on the 38 special.  
No, I think I'll save that for a rainy day..... It's antenna weather  
here in PA.  
Let's see what I can hide in the yard now. 72

Cameron C.R. Bailey <><  
Amateur Radio, KT3A  
kt3a@juno.com  
Mount Wolf, Pennsylvania

-----  
Date: Thu, 7 Aug 1997 16:32:32 -0700  
From: n5inz@juno.com (John M Andrews)  
To: qrp-1@Lehigh.EDU  
Subject: [24504] 30,000 caps/pc board.....  
Message-ID: <19970807.163240.3934.0.N5INZ@juno.com>

Was'nt quite ready for the response on the caps/pc board YET.....

I spent most of the day boxing it up in better containers for the trip to  
San Antonio.

Yes, there are lots of other values, just not ready to take on parts  
shipments and  
pack stuff at the same time. It also gives UPS time to get their act  
together.

The PC board is mostly G-10 fiberglass. It's in 36X48" sheets. Should be  
fun  
getting it down to usable size! 2-3 sheets are the 1/16th thin guage  
stuff that  
I like so well because you can cut it with a heavy pair of scissors.  
Makes great  
covers for front panels of used boxes. V/UHF hairpins anyone?

Nearly bought some knobs with 1/4" insets. The look very much like the  
SB/HW  
series of knobs only the knob is black instead of Benton Harbor Green  
:-).  
Not to mention a much better quality. About 3/4 the size also. Might pick  
up  
a few hundred if any interest shown.

I see lots of requests about which kit to buy but never a wish list on  
parts.

A friend of mine tells me his personal choice: MORE!

72, John-N5INZ

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Date: Fri, 8 Aug 1997 00:04:04 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: kd1jv@moose.ncia.net, qrp-1@Lehigh.EDU  
Subject: [24505] Re: [HomeBrew] cutting pcb material  
Message-ID: <19970808000357.AAB872@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 12:57 PM 8/7/97 +0000, you wrote:

>I use the score and snap method myself. It dulls the utilitly knife blade  
>real quick though. So, I snap the end of the blade off when it gets dull.  
>This can be done a few times before needing a new blade.  
>

This has worked the best for me! If you need a smooth edge, a sanding stick or an old coarse file (don't use a new one, or it will dull it quick!) works fine.

>Hack saw is okay, but kinda messy.  
>

>Sure would like to have a nice industrial strength pcb shear (to say  
>nothing of a sheet metal brake, big drill press and all those nice toys..)

I did some PCB production for a while. The big metal shear cuts double or single sided stock very nicely! If you have a lot of drilling to do, a carbide bit at very high speed is best. Regular HSS bits will dull very rapidly on G-10 epoxy substrate type board stock! There is a special high speed drill press quill made for PCB work.

We used to spray Kodak KPR on plain stock, expose with an array of UV florescent lamps in a home-made vacuum frame, develop in a home made vapor-degreaser, and etch with ferric chloride in a homemade spray type etching tank. The ferric chloride being heated with a homemade electric heater. We even had to modify the pump so that the hot ferric chloride wouldn't eat up the spindle the pump rotor was on! (Fabricated one out of hard teflon rod. The original was stainless steel which the FeCl quickly ate up!) FeCl lasts much longer if it is sprayed hot on the boards, and the etching process is much faster!

73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

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Date: Thu, 7 Aug 1997 20:38:25 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [24506] OHR EXP II 40M tuning range  
Message-ID: <Pine.LNX.3.93.970807203300.1864B-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can someone give me the Readers Digest condensed version of how to move my  
OHR Explorer from 7.100-170 to 7.000-7.070? My manual was stolen. I  
remember it was a lot of back and forth tuning, and maybe the coil and  
cap, but I want to use it for the MD-DC QSO Party this weekend and don't  
want to screw it up:) Direct mail is fine, no reason to clog the list.  
72 es tnx

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

-----  
Date: Thu, 7 Aug 1997 20:53:20 -0400  
From: "Dean Marzocca" <n2tnn@ifu.net>  
To: <tahrens1@juno.com>  
Cc: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [24507] Companion  
Message-ID: <199708080054.UAA07572@ifu.ifu.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Tim,



I get a kick out of your posts each time you ask if a QRP+ Companion is available for re-sale. I was always happy with mine (no not for sale) until I got a message from someone here on the list I don't remember who it was but it was in response to one of my postingzs. It said " does that thing really work? I can't get mine to tune anything" or something like that. Well, that got me to thining if mine was doing the job and I riged up my station so the Yeasu YS-60 SWR meter was between the tuner and the rig. The WM-1 was on the outside accurately shows the forward and reflected power.

Results: SWR meter doesn't move much after the tuner is correctly dipped. Oak Hills WM-1 shows forward and reflected powers in any and all possible combinations, usually the forward power is higher. hehehe (guess I got to get a new garbage can lid, or maybe pull this one higher in the tree-----omni directional).

So Tim, the message here is for you to do all you can to get one of them buggers. I even put in a bid for the one that was posted here a few weeks ago. Greedy yes, but you always need a backup, or two.

Go for it buddy you won't be sorry.

WTB: QRP+ companion, I ship

72/73 Dean N2TNN NJ  
n2tnn@ifu.net

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Date: Thu, 7 Aug 1997 20:09:06 -0600 (MDT)  
From: n5zgt@swcp.com (Brian Mileschosky)  
To: qrp-1@Lehigh.EDU  
Subject: [24508] Albuquerque, NM Hamfest - Aug 23-24  
Message-ID: <199708080209.UAA28274@kitsune.swcp.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For all you QRPers who live in/around Albuquerque, or who will be travelling through town this particular weekend:

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\*  
\* D U K E C I T Y H A M F E S T \*  
\*  
\*\*\*\*\*

WHEN: 23-24 August 1997

Saturday 7:30 AM - 5:00 PM  
Sunday 7:30 AM - 1:00 PM

WHERE: National Guard Armory  
600 Wyoming Blvd. NE  
Albuquerque, New Mexico USA

ADMISSION: \*\* FREE \*\*

SWAP/VENDOR TABLES: \$12 each  
\$17 w/electrical power

Tailgate Space: \$5 each

RV Parking: \$10 / weekend

PRIZES: GRAND PRIZE  
Icom 706 Mk II  
  
SECOND PRIZE  
MFJ-259 Antenna Analyzer

PRE REGISTRATION PRIZE  
Alinco DJ-S41 70 cm HT

Plus HOURLY door prizes

Prize Tickets \$2 ea or 3/\$5

TALK IN: 147.06+ / 444.0+ 100hz PL

-----TEAR HERE-----

#### DUKE CITY HAMFEST REGISTRATION FORM

Mail this form with remittance to:

Duke City Hamfest  
P.O. Box 30394  
Albuquerque, NM 87190

Name: \_\_\_\_\_

Call: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip : \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_ Indoor Swap/Vendor Table(s) @ \$12 ea \_\_\_\_\_

\_\_\_\_\_ Table with electrical power @ \$17 ea \_\_\_\_\_

\_\_\_\_\_ Outdoor tailgate spaces @ \$5 ea \_\_\_\_\_

\_\_\_\_\_ RV weekend RV parking @ \$10 ea \_\_\_\_\_

\_\_\_\_\_ Registration Prize Tickets  
@ \$2 ea or 3/\$5 \_\_\_\_\_  
\_\_\_\_\_

TOTAL ENCLOSED \_\_\_\_\_

Paid registrations received by 22 August will be eligible for pre registration drawing to be held at opening of hamfest on 23 August.

Winners of Grand Prize, Second Prize and Pre Registration prize need not be present to win.

Winners of hourly door prizes must be present to win.

Members of the New Mexico Hamvention Inc board are NOT eligible to win prizes.

72,  
Brian, N5ZGT

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Boy Scouts of America                      Amateur Radio - N5ZGT  
Eagle Scout (12-6-96)    ARRL    QRP: NorCal# 1700 QRP-L# 580 AK/QRP # 125  
JASM - Troop 41                      Author of Worldradio's "Youth Forum" Column  
Albuquerque, N.M.                      Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM  
O.A. Lodge 66    <-W-W-W-<<                      Internet: n5zgt@swcp.com  
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Date: Thu, 7 Aug 1997 20:43:52 -0600 (MDT)  
From: johnhill@freenet.edmonton.ab.ca  
To: Multiple recipients of list <qrp-l@lehigh.edu>  
Subject: [24509] Pager squelch filter for CW  
Message-ID: <Pine.A41.3.95.970807203555.49620C-100000@fn2.freenet.edmonton.ab.ca>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

Just got hit in the head with two ideas at once and thought I'd field them here to see what you think.

Idea #1, Disable the tone squelch and substitute a "normal" version of squelch. Then re-crystal the unit to the receive frequency of ones favorite 2M repeater as a monitor receiver.

Idea #2, Got hold of some tone filters centred at 410.8Hz (light come on yet?) and use them as an audio CW filter.

Gentlemen, start your replies!!

email: johnhill@nospam.freenet.edmonton.ab.ca

Remove "nospam" from address, thanks.

QRP-L #838

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Date: Thu, 7 Aug 1997 20:11:41 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24510] FOR SALE: Autek QF-1A Filter  
Message-ID: <Pine.BSI.3.91.970807200954.3529B-100000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi,

I ended up with an Autek QF-1A filter that I don't need. I works well and is in good shape. I don't have the manual for it. All reasonable offers with be considered.

Thanks,  
Kory  
AC6RN

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Date: Thu, 07 Aug 1997 18:42:13 -0700  
From: Bill Todd <bill@techline.com>  
To: kt3a@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [24511] Re: Conditions, etc.  
Message-ID: <1.5.4.32.19970808014213.006d6fec@mail.techline.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Let's see what I can hide in the yard now. 72  
>  
>Cameron C.R. Bailey <><  
>Amateur Radio, KT3A

Hi Cam - Good luck on that one!

One time I lived in a second floor apartment complex which was rather old, with ivy growing up the sides of the brick-sided apartment complex.

One night I got a ruler with a wire taped on the end of it (the end of the wire roll being in the shack/2nd bedroom) and wove the wire in between the ivy and the brick. I managed to get out about a hundred feet of the wire all over the face of the complex (under the ivy). The resulting antenna worked pretty well actually.

As far as I know, it's still there (hi). PS it was green, so it matched perfectly!

CUL, Bill-N7MFB

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Date: Thu, 7 Aug 1997 21:45:57 -0700 (PDT)

From: doug hauff <slmachco@fix.net>  
To: qrp-l@Lehigh.EDU  
Subject: [24512] 38S saga quick update  
Message-ID: <199708080445.VAA14503@fletch.fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks to those who responded to my Dredful Drift cry for help - drift is GONE- courtesy of Ori's fix (.1uf bypass caps from RIT diode cathodes[banded end] to ground}. Still not sure why problem surfaced after two months (hacking as well as operating), but it is solved. Thanks to Ori and Charles Brown for forwarding it to me.

Also, offset problem was solved with .1 uf bypass cap from D6 cathode to ground - thanks Doug and Ori and Dave & all for all those nice convenient holes in the ground plane. I have lots of information and tips(other's and my own) I will impart with a longer post when I have time. Smoked IRF510's, destroyed IC's, vaporized torroids, ruined pc board traces, burned fingers(gee, I wonder if the 510 is getting that hot...), 339 from Japan (with low dipole, 2.8 watts), 599 from Wyoming running 700 Mw, Quite an educational experience! Last word: Sockets! Use sockets! Gud sockets, not cheap ones!

73 Doug KE6RIE

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Date: Thu, 7 Aug 1997 21:57:52 -0700 (PDT)  
From: camqrp@cyberg8t.com (Cam Hartford)  
To: qrp-l@Lehigh.EDU  
Subject: [24513] SST to ARK20 QSO  
Message-ID: <199708080457.VAA25082@key.cyberg8t.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I approached the workbench. My SST-20 was lying there, upside down, covers off. I'd been juggling crystals, coils and varactors in an effort to find the optimum values for best band coverage. This scientific research is fun stuff, I thought, but, hey, I wonder what's cooking on 20? Like, maybe it's time to operate instead of melt solder.

After hooking up an antenna and keyer, I turned on the rig and my ears were greeted by the crash of atmospheric noise. What's this? Someone calling CQ? I have no idea what frequency the rig is set to, but I just can't resist a crisply sent CQ. I give him a call and he comes right back. Tony, KJ5XF in

Austin, a QRPer no less and running an ARK 20!

Fifteen minutes of solid CW later, we sign. That ARK 20 sure sounds good on the air, and this little SST shows great promise.

It's times like this that remind me why Ade wrote about the "Joy of QRP".

72/73,

Cam N6GA

-----  
Date: Fri, 08 Aug 1997 05:24:54 +0100  
From: "Brian K. Short" <shortckt@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24514] Commercial QRP Rig?  
Message-ID: <3.0.1.32.19970808052454.0073db9c@mailhost.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

\*Long Cynical Diatribe Follows -You Were Warned- \*

My second Yaesu FT-7 QRP rig arrived today (US Mail).  
(I am interested in users comments about this rig as a CW QRP and/or mobile-portable rig. I don't think it would be good for backpacking, but I don't participate in that sport, so that is mere speculation. I have been told that it is notorious for burning out finals. The guy who sold me this said he used it only for receive. I imagine that is Usenet slang for transmit section fried. Perhaps I'll get around to powering one up tomorrow.)

I get the feeling with the the FT-7 that the goal was:  
"RF power transistors aren't available/affordable now,  
but here is our shot at an all solid state rig at a price point making it viable."

I was busy serving Uncle Sam, going to College/Grad School during that time and off the air for the better part of 10 years, but I do recall the gradual introduction of all solid state rigs at that time. (I had an FT-101zd -6146 finals- that travelled to HI, FL, CO, AZ, etc but was never plugged in or turned on other than the odd closet cleaning or the like to see if it still lit up.)

Anyway, my address changed so often I gave up on magazine subscriptions, etc...

I may be wrong about this, but during that time was "QRP" a bit of marketing hype to sell solid state rigs before the appropriate RF transistors were available or affordable for production in amateur equipment at a reasonable price point?

I'm probably wrong (on all accounts)...

Anyone know the origin of the Q-Signal QRP?

Does someone have a web page outlining (or detailing in gory detail) the origins and history of QRP?

Future trends? Solutions for the UPS strike? (just kidding)

"If you can't run with the big dogs, stay on the porch!"

Brian Short k7on@qsl.net <http://www.qsl.net/k7on>

1994 E Laguna Dr Tempe, Az 85282 (602)839-3484

-----  
Date: Thu, 7 Aug 1997 23:15:54 -0700  
From: talljazz@teleport.com (Dan Presley)  
To: qrp-l@Lehigh.EDU  
Subject: [24515] KH6-guano  
Message-ID: <v01530502b0106601fa50@[206.163.124.7]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Just had a nice chat with KH6AFS/QRP on 14059 at 0550Z. 559 into Portland, Or while he was running 2W into a 600 Ft rhombic pointed at San Francisco! Said his biggest problem was bird droppings on the antenna-guano strikes again.

Dan N7CQR

-----  
Date: Thu, 07 Aug 1997 23:26:34 -0700  
From: Bill Todd <bill@techline.com>  
To: nwq-l@Lehigh.EDU  
Cc: qrp-l@Lehigh.EDU  
Subject: [24516] NW QRP Club "Informal" mtg 8/9/97



Message-ID: <1.5.4.32.19970808062634.006df1a0@mail.techline.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello group(s) -

For those of you who missed my message of early last week, here it is again.  
There will be no special Meeting this Month of the NorthWest QRP Club  
(usually held at Andy's Diner in Seattle).

Instead, we will have an informal get togeher at the Tacoma Hamfair this  
Saturday. The plan is to meet at about noon at the eating area at the  
Charles Wright Academy. How about 147.51 Simplex as the "talk-in and sit  
down" freq?

Watch out for the boatanchors! (hi).

CUL, Bill-N7MFB

-----  
Date: Fri, 8 Aug 1997 07:22:59 -0400 (EDT)  
From: NilsBull@aol.com  
To: PDouglas12@aol.com, qrp-1@Lehigh.EDU  
Subject: [24517] Re: Scratch building  
Message-ID: <970808072259\_821992627@emout04.mail.aol.com>

In a message dated 97-08-07 14:55:52 EDT, PDouglas12@aol.com writes: "I sure  
wish I knew more."

You and me and all the other badgers on this boat.

One of the reasons that I like kits is that (a) I know that it will, in  
almost every case, have all the right parts with all the holes in the boards  
in the right places and often enough, all the hardware &c for boxing it up.  
(b) is simple: it'll be designed by someone who knows a helluva lot more than  
me. . . and (c) it'll have a pretty fair chance of working on first power-up.

Besides, I hate chasing crap down. I still have an unuseable 1922 Golding  
Pearl in the garage that I can't print on 'cause I still am looking for a  
chase what ain't made out of pre-depression cheap-crap cast iron. It's a

major job for me to drive over to Indy and badger Dave Churchman about the location of that one ATF steel chase that he thinks he remembers having put next to the other pile of junk he got at an estate auction two years ago maybe.

And for radio stuff it's worse. The local "big name" surplus place is great if you have the rest of your life to look for the ceramic body, 15 position double stack rotary switches that they had at Dayton '95, although they might be in the back next to the 16-inch diameter gears that came out of that elevator we took apart last summer before the hired help fell down an open elevator shaft at the Christmas party of the local AFB golf club.

And we ain't even up to the badgers yet.

So I build kits. And then, God love 'em, Dick & Kathy fix 'em for me after I modify 'em or blow 'em up or something.

Kits? Brute-force ("scratch") home-brew? Just gimme a beer.

73

Nils

WB8IJN &c

. . . and load the pistol again . . . I can still see some glass in that picture tube. . .

-----  
Date: Fri, 8 Aug 1997 06:56:20 -0500  
From: Mark Oeltjenbruns <marko@winternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24518] RE: summer doldrums/scratch building  
Message-ID: <01BCA3C8.2E3C4620@SPLASH>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

I agree it is a good book. He also just came out with a second =  
edition. It looks much larger than the first but I haven't picked it =  
up. Anybody looked at both that can say if it is worth buying the new =  
edition? Carr is the Author.=20

-----Original Message-----

From: Ed Loranger [SMTP:we6w@qsl.net]  
Sent: Thursday, August 07, 1997 3:21 PM  
To: Low Power Amateur Radio Discussion

Subject: Re: summer doldrums/scratch building

You need "Secrets of RF Circuit Design". Sweet book!

Gives all the engineering design information in a manner that any medium Tech level can work intelligently from.

I designed a Low Noise RF Amplifier from scratch with the thing back in the 80's. Transistor curves, Smith Chart work etc. and it was awesome. I think someone borrowed the amp cause haven't seen it since one of the engineers showed interest.....

Radio telescope Amp. 2n5179's and 2n5109's. My favorite for UHF work. I ramble...

I believe Joseph Carr is the Author.

Good luck. /Ed Loranger

--=20

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Fri, 8 Aug 1997 06:58:51 -0500  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [24519] CQ/73 Mags GONE  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Gang,

Thanks for all the interest. The CQ/73 magazines I posted here a few days ago are spoken for.

73 de Dave NR3E/5  
nr Dallas, TX

qrp-1 #25, ARRL

WIMPS: Qs=054 30m=041 17m=08 12m=05 States=027/05/04

DX=02/00/01

-----  
Date: Fri, 08 Aug 97 08:14:00 EST  
From: "Pat A. Taber" <pat@vtpo1.genrad.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [24520] Back in the saddle again and looking for someone I made a promise  
to....  
Message-ID: <33EAD5F1@msgate>

Hi --

About a month ago I made a promise to copy a manual for someone. Right after I filed the email with his postal address, I'll be darned if my former manager didn't walk into my office with a layoff notice. I hate it when that happens. Anyway, getting a new job isn't much of a trick right at the moment, so in all it was a financial win, though still hard on the nerves. Now that I've gotten things calmed down to the point where I can afford to read mail again, I'd sure appreciate it if the fellow in question could send me his address again.

72,  
>>>==>PStJTT (KC1TD)

-----  
Date: Fri, 8 Aug 1997 07:57:14 -0500  
From: "ukii" <ukii@megsinet.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [24521] DB. help for contest.  
Message-ID: <m0wwwobe-003u9GC@megsinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello Gang.  
Well, was sitting here thinking (a rarity, and quite a site) about a way to score a QRP contest where the lower the power the higher your score would be per qso...  
Anyway, taking a line from the 1000M/Watt Award  
I was figuring a scoring like

POWER X MILES X Variable = POINTS

Now, for the Variable, well a 1 would be for straight 5watts, then a greater number

for lower power. My problem is I can't remember, figure (laziness ?) how to do the DB thing. I want to increase the Variable proportionate to the power reduction. IE 5watts = Standard

2.5 watts = 1/2 the power or \_DB

1.25 watts = 1/4 the power (of 5w)

or \_DB

Can someone send me the formula for this?

Guess what I am trying to do is get a way that someone making 1 contact with a power of 25microwatts could have a chance of winning, just like a guy running 5watts making 200 contacts...

What say you? Anyone think a contest like this would be a good thing? Would anyone Play? Humm, might be biting off more than I could chew...

Hey Fellow scQRPions, gonna need your help here!

Thanks Much

73 de john

n9ukx

-----  
Date: Fri, 08 Aug 1997 09:00:15 -0400  
From: "Robert W. Shaw" <lycott@fox.nstn.ca>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [24522] Dan's NW8020 vs Emtech's NW80  
Message-ID: <3.0.1.32.19970808090015.007da460@fox.nstn.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Does anyone know if there is any (substantive) difference between Dan's Small Parts kit NW8020 and Emtech's NW series transceivers? Info on the web suggests that the Emtech NW series was formerly the NW8020, leading me to believe they are the same thing kitted up by two different companies. I suspect that the cases might be the largest difference.

There appears to be a fair difference in price, as Dan's includes the active audio filter and case for \$79 less 10% on sale vs Emtech's \$75 plus filter \$20 and case \$30, or \$120 deal for FISTS members.

Has anyone developed an AGC for this/either transceiver?

Thanks in advance.

72/73 de Bob VE3SUY (lycott@fox.nstn.ca)  
Robert W. Shaw, Ottawa, Ontario, Canada

-----  
Date: Fri, 08 Aug 1997 09:46:37 EDT  
From: wb2vuo@juno.com (William K Hibbert)  
To: qrp-l@Lehigh.EDU  
Subject: [24523] Altoids: An observation  
Message-ID: <19970808.094503.2063.1.wb2vuo@juno.com>

Well, I am on my third box of Altoids since June. "Curiously Strong Peppermints" seem to be about the same strength that I remember Lifesavers Peppermint before they went with corn syrup and dumbbed down the flavors with artificial peppermint...

Eat the mints? Egads, how crude! One should place a couple of mints under your tounge and just let them dissolve. You get more mileage out of them that way.

One real benefit is the fact that my 12-year old doesn't try to ask questions while I am on the air. I just offer her a mint, and she goes away, leaving me to my QRP...

Who knows, maybe I will actually build something in these tins (They are NOT for sale...)

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP  
Tech Specialist (ARRL/WNY), ARRL Life Member,  
Trustee, NQ2RP/B 10 Mtr QRP Beacon (QRP @ 28.287 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam \*\*\* Email - wb2vuo@juno.com  
SnailMail - CBA \*\*\* Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

-----  
Date: Fri, 08 Aug 1997 09:51:44 -0400  
From: Ed Pacyna <pacyna@auratek.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24524] Re: Broadband Amp

Message-ID: <3.0.16.19970808095143.2e3f6b9a@dingle.auratek.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 06:31 PM 8/7/97 -0400, I wrote:

>While it is a good idea it is not absolutely necessary (the amplifier will  
>still work). Maybe the balance (i.e. 2nd order product cancellation will be  
>a few dB off, but still much better than a single ended amplifier).  
>According to Motorola, matched pair are defined as DC beta being within  
>10% of one another.

>

>If you have more than 2 transistors, you can determine the best matched  
>pair yourself (with clip leads apply a little base current and measure the  
>collector current). Note: DC Beta =  $I_c / I_b$

>

>Ed, W1AAZ

I checked when I got home last night and:

According to Motorola, in linear push pull amplifiers (i.e. class A or AB1), matching hFE for the transistor pair to within 15% is considered sufficient (since power gain tracks hFE to a great extent).

Also the end to end power gain for the (2) amplifiers mentioned previously are nominally 28dB and 56dB. Note: The later only requires 2.5mW of drive for 10W output.

BTW, the advantages of push pull amplifiers are:

1. Even harmonic suppression
2. Input/Output matching easier (done at higher impedance levels).
3. Emitter grounding and collector by-passing is less critical
4. Automatically combines the powers of the 2 devices.

73

Ed, W1AAZ

-----

Date: Fri, 8 Aug 1997 09:49:47 -0400

From: "Rick LaBanca" <rlabanca@eps.inso.com>

To: <qrp-1@Lehigh.EDU>

Subject: [24525] Re: Dan's NW8020 vs Emtech's NW80

Message-ID: <199708081351.JAA00401@eps-inc.eps.inso.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I was checking out emtech, did not know about the other one, so checked it out. It looks like dan's didn't come with the audio filter (it is listed as \$10 add on further down the web page). Still though, its a bit of a price diff. I am also not sure if dan's has variable band width, doesn't mention it.

Rick KA1EZE

-----  
Date: Fri, 08 Aug 1997 09:59:10 -0700  
From: Jim <kw3u@warwick.net>  
To: QRP-L@Lehigh.EDU  
Subject: [24526] RIGS FOR SALE  
Message-ID: <33EB505E.6AD0@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang;

Heading out to hamfest sunday and thought I would list the qrp rigs I'm parting with.

HW-8 in very nice condx with recent complete alignment and repair at RTO electronics - \$140 shipped.

MFJ-9040 in mint condx/manual/orig box packing asking \$110 shipped.

OHR sprint for 40m,all paperwork manual works great, this is small liteweight and dc rcvr, worked 17 stns in a qrp contest wid this one. \$55 shipped.

Tripplet VOM model 630 brand new in box,manual,leads,batterys. \$80 shipped.

Finally for anyone close (qth is exactly on border of PA./ N.Y./N.J.)Matamoras,pa in Pike co. an A-3 tri-bander with light-duty rotator on radioshack telescoping mast. manual. easy take down.





I've barely had time to look at the rig let alone turn it on. But when I received my MRX-40 kit I had to slap it together and give a listen.

It works kewl.

After that I had the main rig on anyway, so I called CQ (which I rarely do) at 7.040.5 and who should come back but 'DIT DIT' himself. Lots of QRN and him running .5 watt into a ??? antenna. He got my call and I got his: BINGO!

Thanks Chuck.

Give us the rest of the info, what rig were you on, etc?

I was running my Yaesu FT-890 at 25W into my high performance HF rain gutter.

```
=====
73 Michael N7MR                      http://www.frii.com/~michael
Michael.Robinson@nsc.com             michael@frii.com
QRP-L #126                          Norcal #857                CQC #180
=====
```

-----

Date: Fri, 08 Aug 1997 09:39:31 -0700  
From: n4js@amsat.org  
To: rlabanca@eps.inso.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [24529] Re: Dan's NW8020 vs Emtech's NW80  
Message-ID: <E0wwwq96-00063I-00@admin.cyberenet.net>

On 1997-08-08 rlabanca@eps.inso.com said:

>I was checking out emtech, did not know about the other one, so  
>checked it out. It looks like dan's didn't come with the audio  
>filter (it is listed as \$10 add on further down the web page).  
>Still though, its a bit of a price diff. I am also not sure if  
>dan's has variable band width, doesn't mention it.  
>Rick KA1EZE

EMTECH'S WORKS! and comes with good instructions as well as support from the company. EASILY worth the extra few bucks!!



Some will also feel that you need to factor in the antenna. Next will be ERP or speed or whatever.

You can set up as many classes in a contest as the manager can stand to keep up with.

This isn't meant to be a rude post.....just pointing out things that I have seen for years. I used to think there should be classes for hand keys and bugs in contests! Try doing a 48 hr contest with a bug while really trying to get a good score! And that was before computer logging, but while memory keyers were the big thing.

So I've been there and done that kind of thinking. And woke up to the fact that a contest is a competition. Without the competition it's nothing.

Again, classes are fine.....equalization just doesn't work!

But even classes can be overdone. Look at what a hollow feeling it is to win something when you are the only one in that class!!

OK, soap box up!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Fri, 8 Aug 1997 11:07:39 -0400  
From: "William C. Robbins" <billrobb@net-link.net>  
To: qrp-l@Lehigh.EDU  
Subject: [24531] FS: Ten Tec Century 21  
Message-ID: <199708081507.LAA16788@serv01.net-link.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For sale Ten Tec Century 21 CW rig  
Silkie smooth gear gear driven VFO  
QSK  
Pin diode switching  
1 - 50 Watts output

Analog tuning  
Built-in regulated power supply  
3 Filter selection positions  
Excellent Condition  
\$210 plus shipping

e-mail billrobb@net-link.net

Bill WA8CDU

William C. Robbins  
WA8CDU Formerly WN8CDU  
Heath Collector

-----  
Date: Fri, 8 Aug 1997 08:08:32 -0700  
From: torell@sicom.com (Kent Torell)  
To: qrp-1@Lehigh.EDU  
Subject: [24532] RE: DB. help for contest.  
Message-ID: <v02130500b010e0d60a25@[192.91.202.41]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Again, classes are fine.....equalization just doesn't work!

Good comment, Ron...cutting to the core of the problem, as usual :-) Being an engineer, I was working on a nice set of equations, but they weren't matching the reality I've seen in contest operations and scoring. Classes look like the best answer; competing with people with similar equipment.

Good thing we have a steady hand of history to guide us young upstarts ;-)

But, when it comes to foxhunting....

[ Authenticate: dolphin. The dingos smell the wallabies ]

Kent Torell torell@sicom.com 602-607-4852  
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260  
AB70A scQRPion 6,qrp-1 57,ARCI 9075 DM33xn 33.55 N 112.078 W

-----

Date: Fri, 8 Aug 1997 08:38:00 -0700 (PDT)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Kent Torell <torell@sicom.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24533] RE: DB. help for contest.  
Message-ID: <Pine.SUN.3.90.970808082804.2578B-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 8 Aug 1997, Kent Torell wrote:

> But, when it comes to foxhunting....  
>  
> [ Authenticate: dolphin. The dingos smell the wallabies ]

Attention TEXAS/CALIFORNIA:

Nevada has broken the AZ code!

[ scQRPion's sting stung Stacy sternum ]

AZ plans for sale to the highest bidder....

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Fri, 8 Aug 1997 09:04:36 -0700 (MST)  
From: Jack Meadows <jackmead@getnet.com>  
To: Monte Stark <ku7y@sage.dri.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24534] RE: DB. help for contest.  
Message-ID: <Pine.BSI.3.93.970808090114.18342A-1000000@gn2.getnet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good points Monte!

This post is wisdom...best I've read concerning contesting!

Best regards,  
Jack W7QQQ

>  
> Hi Mark,  
>  
> Think about this.....  
>  
> Do you think it's right that someone can take 5 mins to fire up their  
> little .025w rig and work someone on the next table over to get the same  
> score as someone who has spent months or even years getting his skills  
> and equipment up to a level that he can make 200 QSOs in the contest??  
>  
> Or how about if the .025w station lives where there are 10 other hams  
> and works them all with a dummy load?  
>  
> Catagories are fine. All .025w stations compete against each other. That  
> works.  
>  
> But there is no way to make a contest "fair" for all! I don't think you  
> will ever find a "magic formula" to do what you want.  
>  
> Some will also feel that you need to factor in the antenna. Next will  
> be ERP or speed or whatever.  
>  
> You can set up as many classes in a contest as the manager can stand  
> to keep up with.  
>  
> This isn't meant to be a rude post.....just pointing out things that  
> I have seen for years. I used to think there should be classes for  
> hand keys and bugs in contests! Try doing a 48 hr contest with a bug  
> while really trying to get a good score! And that was before computer  
> logging, but while memory keyers were the big thing.  
>  
> So I've been there and done that kind of thinking. And woke up to the  
> fact that a contest is a compitition. Without the compitition it's  
> nothing.  
>  
> Again, classes are fine.....equalization just doesn't work!  
>  
> But even classes can be overdone. Look at what a hollow feeling it is  
> to win something when you are the only one in that class!!  
>  
> OK, soap box up!  
>  
> cul,  
>

> 73, Ron,       SOWP 5545M,  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....  
>  
>

-----  
Date: Fri, 8 Aug 1997 11:15:11 -0500  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [24535] HELP IDENTIFYING COAX  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Gang,

I can have several hundred feet of coax somebody wants to throw away. My problem is, I don't know if it is any use for HF frequencies. It was being used to connect PC's to a phone system.

The i.d. on the cable itself is BELDEN 8262, has nice BNC connectors installed, and is flexible - not like some stiff LAN cables I've seen. Diameter is about 1/4 inch.

I've tried to find a BELDEN site on the web, but no luck. Any help in getting more info on this stuff would be appreciated.

TIA.

73 de Dave NR3E/5  
nr Dallas, TX  
qrp-l #25, ARRL  
WIMPS: Qs=054 30m=041 17m=08 12m=05 States=027/05/04  
DX=02/00/01

-----



Date: Fri, 08 Aug 1997 11:07:37  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@Lehigh.EDU  
Subject: [24536] RE: Broadband amps  
Message-ID: <3.0.1.16.19970808110737.2d5f2d90@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have tried on several occasions to build a push pull amp. If I ever try it again, it will be with matched pair transistors. I found that with the amps I built using un-matched transistors, one will "hog" most of the bias current and therefore work a lot harder than the one on the other side.

This leads to an unsymmetrical wave form and the early distruption of the transistor that is doing all the work.

Sure, you can buy a dozen or two power transistors and DC match them for Beta and Vbe, or you can get them already matched.

If you only want to build one amplifier, buying the transistors matched is clearly the way to go. An outfit like RF Parts has the test equipment to match transistors for both DC characteristics and RF gain.

It is well worth the small premium they charge for this service. You \*know\* that you have two transistors that will work as a team, and not against each other. In the long run you save time, money and fustration.

In the mean time, I've been working on a single ended amp that's looking good. It uses a LT1252 video op amp to drive a 2N3866 driving a 2SC2166. Right now it is producing 9-10 watts from 3.5 to 15 Mhz. Drops off to 6 watts at 21 Mhz, but this is due to the roll off of the low pass filter in my DDS VFO.

With sufficent drive, it should give me 10 watts all the way up to 30 Mhz. Next step is to replace the video amp with one that has a DC gain control, so I can adjust the power level to anywhere I want it.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----

Date: Fri, 8 Aug 1997 09:55:20 -0700 (PDT)  
From: Ray Anderson <Raymond.Anderson@Eng.Sun.COM>

To: qrp-1@Lehigh.EDU  
Subject: [24537] HELP IDENTIFYING COAX  
Message-ID: <199708081655.JAA13702@radium.eng.sun.com>  
MIME-Version: 1.0  
Content-Type: TEXT/plain; charset=us-ascii  
Content-MD5: SQoo0EvoyVt/TRQqJgh4ZQ==

The closest thing I found in my Belden catalog was type BELDEN 82262 which is 93 ohm plenum cable. Didn't see 8262 listed.

The Belden web site is at: <http://www.belden-wire.com> , but they don't have their on-line catalog working yet.

-Ray WB6TPU

> Gang,

> I can have several hundred feet of coax somebody  
> wants to throw away. My problem is, I don't know if  
> it is any use for HF frequencies. It was being used  
> to connect PC's to a phone system.

> The i.d. on the cable itself is BELDEN 8262, has nice  
> BNC connectors installed, and is flexible - not like  
> some stiff LAN cables I've seen. Diameter is about  
> 1/4 inch.

> I've tried to find a BELDEN site on the web, but no  
> luck. Any help in getting more info on this stuff  
> would be appreciated.

> TIA.

> 73 de Dave NR3E/5

-----  
Date: Fri, 8 Aug 1997 10:59:20 -0600  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: kreinbd@ccgate.dl.nec.com, qrp-1@Lehigh.EDU  
Subject: [24538] Re: HELP IDENTIFYING COAX  
Message-ID: <199708081659.KAA24284@zia.aoc.nrao.edu>

Dave and others,  
Your BELDEN 8262 is type RG-58C (from Belden Catalog) and is the flavor used for computer/Ethernet connections. It is suitable for HF work, with  $Z_0=50$  ohms, polyethylene insulation, velocity factor=.66, 31pf/ft capacitance (typical) and the stated attenuation factors are 1.4dB loss at 10MHz and 3.3dB loss at 50MHz (per 100 feet) ... or about the same at nearly any type of RG-58.

In other words ... if it's free, grab it!

GL, Paul NA5N

-----  
Date: Fri, 8 Aug 1997 12:56:17 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [24539] RE: HELP IDENTIFYING COAX  
Message-ID: <46577.owen@piper.eeel.nist.gov>

In message Fri, 8 Aug 1997 09:55:20 -0700 (PDT),  
Ray Anderson <Raymond.Anderson@Eng.Sun.COM> writes:

>  
> The closest thing I found in my Belden catalog was type  
> BELDEN 82262 which is 93 ohm plenum cable. Didn't see  
> 8262 listed.  
>  
> The Belden web site is at: <http://www.belden-wire.com> ,  
> but they don't have their on-line catalog working yet.  
>  
> -Ray WB6TPU  
>

8262 is on page 79 of Belden catalog 885 (1987 edition) and is listed as a broadcast cable. It's the same as RG-58C/U. 50 Ohm; 66% Vel. factor; 30.8 pf/ft; att: 3.3 db/100ft @ 50 Mhz. A good HF cable up to at least 10 meters.

72/73 Jim K4CGY qrp-1 #72

-----  
Date: Fri, 8 Aug 1997 10:01:47 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: Steven Weber <kd1jv@moose.ncia.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [24540] RE: Broadband amps

Message-ID: <Pine.BSI.3.91.970808095900.8953A-1000000@avatar.avatar.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone tried building the amp described on page 64 of "Solid State Design for the Radio Amateur"? It looks real simple, although the MRF449A sell for about \$50 a piece! It is a single transistor amp running at about 60% efficiency. It is not clear in the book as to whether a set of LPFs are needed after the T network which is already there. Also, they reference the wrong figure in explaining how to change the T network for other bands.

Kory

On Fri, 8 Aug 1997, Steven Weber wrote:

> I have tried on several occasions to build a push pull amp. If I ever try  
> it again, it will be with matched pair transistors. I found that with the  
> amps I built using un-matched transistors, one will "hog" most of the bias  
> current and therefore work a lot harder than the one on the other side.  
>  
> This leads to an unsymmetrical wave form and the early destruction of the  
> transistor that is doing all the work.  
>  
> Sure, you can buy a dozen or two power transistors and DC match them for  
> Beta and Vbe, or you can get them already matched.  
>  
> If you only want to build one amplifier, buying the transistors matched is  
> clearly the way to go. An outfit like RF Parts has the test equipment to  
> match transistors for both DC characteristics and RF gain.  
>  
> It is well worth the small premium they charge for this service. You \*know\*  
> that you have two transistors that will work as a team, and not against  
> each other. In the long run you save time, money and frustration.  
>  
> In the mean time, I've been working on a single ended amp that's looking  
> good. It uses a LT1252 video op amp to drive a 2N3866 driving a 2SC2166.  
> Right now it is producing 9-10 watts from 3.5 to 15 Mhz. Drops off to 6  
> watts at 21 Mhz, but this is due to the roll off of the low pass filter in  
> my DDS VFO.  
>  
> With sufficient drive, it should give me 10 watts all the way up to 30 Mhz.  
> Next step is to replace the video amp with one that has a DC gain control,  
> so I can adjust the power level to anywhere I want it.  
>

>  
> Steve, KD1JV....In the White Mountains of New Hampshire  
>  
> "Melt Solder"  
>  
>

-----  
Date: Fri, 8 Aug 1997 10:08:45 -0700  
From: "Michael Connor" <mikec@primenet.com>  
To: <ku7y@sage.dri.edu>  
Cc: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [24541] Re: DB. help for contest.  
Message-ID: <199708081709.KAA00235@usr08.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="us-ascii"  
Content-Transfer-Encoding: 7bit

ATTENTION ScQRPions:  
ALERT:  
MISSION:  
Recover secret plans and terminate Stark.  
[Authenticate: stingray - the flounder flogs the jellyfish]

Agent 00NQ7K  
Mike

---Original Message-----  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Friday, August 08, 1997 8:42 AM  
Subject: RE: DB. help for contest.

On Fri, 8 Aug 1997, Kent Torell wrote:

> But, when it comes to foxhunting....  
>  
> [ Authenticate: dolphin. The dingos smell the wallabies ]

Attention TEXAS/CALIFORNIA:

Nevada has broken the AZ code!

[ scQRPion's sting stung Stacy sternum ]

AZ plans for sale to the highest bidder....

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Fri, 08 Aug 1997 10:17:26 -0700

From: Ed Loranger <we6w@qsl.net>

To: marko@winter.net

Cc: "Low Power Amateur Radio Discussion PDouglas12@aol.com" <qrp-1@Lehigh.EDU>

Subject: [24542] Re: summer doldrums/scratch building

Message-ID: <33EB54A6.6BB@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I've looked at both first and second editions of 'Secrets of RF Circuit Design'. If your Ratio of Honey-do projects to Ham-do projects are in order, you'll get this by the xyl. Hi!

I'd say I like the boat anchor restoration section in the first edition, deleted in the second edition.

There's some good stuff on ne602's that's worth having and is in the 2nd ed. only.

HOWEVER, (Big However),

I reported on the wrong book yesterday! Although I cherish my "Secrets... " book, The book I meant to share with you all was: "Handbook of Simplified Solid-State Circuit Design, Second Edition -- John D. Lenk."

This Puppy is Indispensable. I've loaned it out only after the borrower agrees on a return date! (Sign here please --HI!

My Copy is vintage 1979. Prentice Hall, Inc., Englewood Cliffs, N.J. 07632. ISBN 0-13-381707-5

Brief TOC:

Basic Design Rules

- \* Using the book, Datasheets, Parameters @freq., Temperature related design problems, Load Lines in Design, Biasing, Practical Design Tech., Mounting Transistors.

Audio Amplifiers

- \* Basic, Emitter Bypass, partial bypass, DC Voltage amp, xfmrless multistage, DC w/o xfmr coupling, Complementary poweramp with short-ckt protection. Audio Filters, Test procedures, Freq. resp, Analyzing design probs.

OP-Amps with Integrated Circuits

- \* Geez... Tons of Stuff!!!!

Radio-Frequency Circuits.

- \* Inductor Design, res. ckts., datasheet design approach, All the parameters, mixers, converters, detectors, AVC/AGC, Power amps and multipliers....

Waveforming & Shaping circuits.

- \* complete design of oscillators, LC/XTAL RC, twin-T RC, Blocking osc, multivibrators, square drives, shaping circuits and test procedures.

Power Supply Circuits.

- \* Basic solid state PS, Zener diode, extending zener current and Voltage range, Overload, feedback, switching, DC-DC converter, Test Procedures.

INDEX.

-----

A must have. So get both this handbook and 'Secrets..'  
You'll be glad.

I paid \$7.95 for the handbook in paperback!

Standard Disclaimers apply, mileage may vary, msrp not including doc, handling, badger wax, etc...

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----

Date: Fri, 08 Aug 1997 13:20:39 -0400  
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>  
To: kreinbd@ccgate.dl.nec.com, qrp-l@Lehigh.EDU  
Subject: [24543] Re: HELP IDENTIFYING COAX  
Message-ID: <v03102800b011048a668c@[132.235.72.186]>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"  
Content-transfer-encoding: 7BIT

Dave,

Take the cable, take the cable! It is 50 ohm, same characteristics as RG-58C/U, same even as MIL-C-17G QPL. 96% Shield, Center cond= 20 (19x23) very flexible, OD= .195" Listed for \$229.00 per 1000' That cable will handle all the QRP power that you can throw at it, even a couple hundred watts at HF.

You've a gold mine on your hands!

NS80

> Gang,  
>  
> I can have several hundred feet of coax somebody  
> wants to throw away. My problem is, I don't know if  
> it is any use for HF frequencies. It was being used  
> to connect PC's to a phone system.  
>  
> The i.d. on the cable itself is BELDEN 8262, has nice  
  
> TIA.  
>  
> 73 de Dave NR3E/5  
> nr Dallas, TX  
> qrp-l #25, ARRL  
> WIMPS: Qs=054 30m=041 17m=08 12m=05 States=027/05/04  
DX=02/00/01

\*\*\*\*\*



```

*
* NN    N  SSSSSSS 8888888 0000000 Greg Weinfurtner AEE BSS *
* N N    N  S      8      8 0      0 Electronic Design Splst *
* N N    N  SSSSSSS 8888888 0      0 Ohio University Athens *
* N      N N      S 8      8 0      0 GO BOBCATS! *
* N      NN  SSSSSSS 8888888 0000000 *
*
* "Can thou send forth lightnings that they may go and say *
*      unto thee, 'Here we are'?" Job 38:35 *
*
*      weinfurtner@ouvaxa.cats.ohiou.edu *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****

```

-----

Date: Fri, 8 Aug 1997 19:37:59 +0200 (CEST)  
From: pa3asc@magigimmix.xs4all.nl (Mike Perry)  
To: qrp-l@Lehigh.EDU  
Subject: [24544] RE: FDIM Paper  
Message-ID: <199708081737.TAA28099@smtp2.xs4all.nl>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang:

On: Wed, 06 Aug 1997 17:17:18 -0500  
Bob Liesenfeld (wb0poq@visi.com) wrote:  
>Hi gang,  
>I ordered a copy of the papers presented at FDIM,  
> but the BASIC program at the end of Mike Perry's  
> "PIE's Forte" is unreadable. Anybody able to E-mail  
>me a copy? Thanks.  
>dit dit

Thanks for triggering my memory Bob since I did tell  
the FDIM meeting I would post the listing in the QRL-L  
archive. I've sent a copy off to Cuck K5FO and it should  
be on the server very soon.

Cheers es 73.

P.S, Doug Hendricks seems to have brought some real  
California wx accross the pond. It's in the 80's F in northern  
Europe at the moment.

--

Best regards from The Netherlands,  
Mike Perry. [e-mail :- pa3asc@xs4all.nl ]

=====

-----

Date: Fri, 08 Aug 1997 13:41:30 -0400  
From: Al Moyle <moyle@essc.psu.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [24545] Re: summer doldrums/scratch building  
Message-ID: <3.0.32.19970808134130.00588820@pop3server.essc.psu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:17 AM 8/8/97 -0700, you wrote:

>

>I reported on the wrong book yesterday! Although I cherish  
>my "Secrets... " book, The book I meant to share with you  
>all was: "Handbook of Simplified Solid-State Circuit Design,  
>Second Edition -- John D. Lenk."

>

>This Puppy is Indispensable. I've loaned it out only after  
>the borrower agrees on a return date! (Sign here please --HI!

>

>My Copy is vintage 1979. Prentice Hall, Inc., Englewood  
>Cliffs, N.J. 07632. ISBN 0-13-381707-5

>

Gang,

Here's the scoop ... Straight from Amazon.com. Unfortunately, it isn't  
available right now.

72,  
Al N3KFL

Handbook of Simplified Solid State Circuit Design  
by John D. Lenf

2nd Edition  
Paperback  
Published by Simon & Schuster (Paper)  
Publication date: March 1979  
ISBN: 0133817075

THIS ITEM IS CURRENTLY NOT AVAILABLE. Though not  
officially "out of print," this item is "out of stock  
indefinitely"  
at the publisher. If you would like to purchase this  
item, we  
recommend that you occasionally check this page to see  
if it's been  
reprinted.

-----  
Date: Fri, 08 Aug 1997 13:36:17  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [24546] SA/SA manual  
Message-ID: <3.0.1.16.19970808133617.2d5fb096@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Just got the manual for the SA/SA from the copy shop. It will be Monday by  
the time I address all the envelopes and get to the P0.

If you don't get it in a week or so, and you know you should have gotten  
one, definatly let me know.

If you didn't get one but think you should have, please let me know.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Fri, 08 Aug 1997 14:37:24 -0400  
From: Ed Pacyna <pacyna@auratek.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24547] RE: Broadband amps  
Message-ID: <3.0.16.19970808143723.2e3f3cec@dingle.auratek.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>I have tried on several occasions to build a push pull amp. If I ever try  
>it again, it will be with matched pair transistors. I found that with the  
>amps I built using un-matched transistors, one will "hog" most of the bias  
>current and therefore work a lot harder than the one on the other side.  
>  
>This leads to an unsymmetrical wave form and the early destruction of the  
>transistor that is doing all the work.

I believe some of these statements are more sensationalism than reality  
(e.g. hog most of the bias current, work a lot harder, early destruction,  
it just ain't gonna work). If those conditions happened I would look hard  
for another problem.

With unmatched devices I could see some slight unbalance due to amplitude  
differences being present (not but unsymmetrical). As a result, the even  
harmonic suppression would not be perfect (but a lot better than single  
ended designs).

>Sure, you can buy a dozen or two power transistors and DC match them for  
>Beta and Vbe, or you can get them already matched.

>If you only want to build one amplifier, buying the transistors matched is  
>clearly the way to go. An outfit like RF Parts has the test equipment to  
>match transistors for both DC characteristics and RF gain.

I would bet that they just match hFE (since gain follows this parameter).  
Just think about how and what they would have to actually do to measure and  
match gain.

A agree that matching is best, but the requirement is only for hFE to be  
within 15% and if not, it is not really all that critical in the end.

Hint: Since companies build large runs where the process is constant, using  
devices with the same date codes would usually provide ample hFE uniformity.

73

Ed, W1AAZ

-----  
Date: Fri, 08 Aug 1997 11:42:16 -0700

From: Ed Loranger <we6w@qsl.net>  
To: moyle@essc.psu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24548] Re: summer doldrums/scratch building  
Message-ID: <33EB6888.1339@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

FOR SALE or TRADE:  
Handbook of Simplified Solid State Circuit Design

<THIS ITEM IS CURRENTLY NOT AVAILABLE. Though not  
< officially "out of print," this item is "out of stock  
<indefinitely"

\$20,000 or best offer over \$50,000.  
Will consider equipment on a Chapter by Chapter basis.

Minimum bid: Collins Boatanchor RX for Chapter 4!

All in Jest, but I've seen stuff like this in the  
news:rec.radio.amateur.equipment newsgroup.

I'll just keep it. <click>  
-Ed Loranger (The bridge is painted on the west side)  
Auth:Calypso

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Fri, 8 Aug 1997 13:17:00 -0400  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>, VHF Mailing list <vhf@w6yx.stanford.edu>,  
eax@w3eax.umd.edu  
Subject: [24549] FS: QRP, 2m amp, 2m HT, misc. accessories  
Message-ID: <Pine.3.89.9708081347.A20604-0100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

For sale:

1) Yaesu FT-890AT with upgraded SSB filter. Near-perfect condition. Does QRP easily, goes up to 100w. Manual, box, mic, cable. Used on Field Day with great success. \$850.

2) LDG AT-11 150w antenna tuner. Built, working, in aluminum box. Tunes anything 6-800 ohms (coax or random wire). Used pretty lightly, with upgraded firmware, manual. \$160.

3) Oak Hills Classic (20/40m) with built-in keyer. Installed DPDT switch for paddle "sense" switching. 4-5 watts, superhet, excellent condition, some paint chipped around holes on rear of case. \$175.

Standard C188A 2m slimline HT. New, 9+ months of warranty left. Extended receive. Manual, box, charger, etc. Charged once for test purposes. \$185.

5) Icom AT-150 automatic antenna tuner. Excellent condition, switches automatically with IC-735 (includes cable). Manual included. Three coaxes plus random wire. \$500 new, asking \$275.

6) TPL 2m 80w SSB/CW/FM amplifier. Very good condition, no power cord, manual included. \$100.

7) Radio Shack Pro-2039 200 channel base scanner. New condition, with box, manual, etc. Built-in power supply plus whip ant and external antenna jack (BNC). \$249 new, asking \$175.

8) MFJ 9420 20m SSB rig with CW adaptor. \$175 for radio alone, adaptor gives it CW and adds \$30 to price (\$40 new). Unit is same size as 90x0 rigs and works well. Incl. hand mic and manual. 12w PEP SSB output.

9) K9AY A&A 20m rig minus five ICs. Completely built otherwise. Includes manual; excellent shape. \$75.

10) S&S Ark 20 synthesized pushbutton tuning 20m CW rig. Built like a tank, in excellent condition. Full 5w out, comes with internal CW filter and keyer. Face-mounted speaker. \$275. Comes with FREE Ramsey 20w linear amp!

11) Yaesu FT-208R 2m HT. Fair condition, radio works but PTT switch doesn't. No battery, but comes with NC-8 rapid charging/operating stand as well as speaker-mic, CTCSS board, and mobile adaptor. \$90 includes manual.

12) Kantronics KAM, older firmware but works. Manuals included. BOY, what a set of manuals. HF/VHF multimode TNC. \$135.

13) JPS NIR-10 noise filter. Excellent condition, works fine.  
With manual. Firmware rev. 2.0, new firmware available for about  
\$25 from JPS. Asking \$145.

14) Autek QF-1A audio filter, excellent condition. Will work off  
either 12 VDC or 120 VAC. Good analog audio filter; I use one  
every day. With manual, \$55.

15) Drake DL-300 300w dummy load in perforated metal box.  
PL-259 connector. Excellent condition. Like you need a manual? :)  
\$27.

16) Radio Shack WeatherRadio Alert, 12-140. Desktop; excellent condition,  
blasts an alarm when NOAA announces an emergency. 162.400/475/550 MHz  
switchable, with built-in whip antenna. Runs on 120 VAC or battery.  
Manual is probably around here somewhere; \$18.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* Hamfest, life's simple joy \*

-----  
Date: Fri, 08 Aug 1997 19:09:08 +0100  
From: "Brian K. Short" <shortckt@primenet.com>  
To: ham@w3eax.umd.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [24550] Re: FS: QRP, 2m amp, 2m HT, misc. accessories  
Message-ID: <3.0.1.32.19970808190908.0075f2bc@mailhost.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I hope this will be taken the way intended, but I for one was  
starting to wonder as I hadn't seen a post from Scott in a long  
time... (Only the best of regards, really!) 73, Brian

...snip...

>\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
>\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
>\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
>\* 301-549-1022 h / 301-982-1015 w \*\*\* Hamfest, life's simple joy \*

"If you can't run with the big dogs, stay on the porch!"  
Brian Short k7on@qsl.net <http://www.qsl.net/k7on>

1994 E Laguna Dr Tempe, Az 85282 (602)839-3484

-----  
Date: Fri, 8 Aug 1997 12:25:05 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Al Moyle <moyle@essc.psu.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [24551] Re: summer doldrums/scratch building  
Message-ID: <Pine.BSI.3.96.970808122400.418A-100000@usr09.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 8 Aug 1997, Al Moyle wrote:

> At 10:17 AM 8/8/97 -0700, you wrote:  
> >  
> >I reported on the wrong book yesterday! Although I cherish  
> >my "Secrets... " book, The book I meant to share with you  
> >all was: "Handbook of Simplified Solid-State Circuit Design,  
> >Second Edition -- John D. Lenk."  
> >  
> >This Puppy is Indispensable. I've loaned it out only after  
> >the borrower agrees on a return date! (Sign here please --HI!  
> >  
> >My Copy is vintage 1979. Prentice Hall, Inc., Englewood  
> >Cliffs, N.J. 07632. ISBN 0-13-381707-5  
> >  
> >  
> Gang,  
> >  
> Here's the scoop ... Straight from Amazon.com. Unfortunately, it isn't  
> available right now.  
>

Try looking into the on-line used technical book dealers. I found  
a copy at Powell's this morning for \$8.00

Regards,

Chris

,-----. / If you understand it, \ / then it's obsolete! / \ _   /	Circuit Design for the RF Impaired  Chris Trask / N7ZWY Principal Engineer
---	--





I Found the Hardcover version is available.  
Note the ISBN number is different. Also Costs more than  
the softcover.

Regards, Ed.  
<http://www.amazon.com>

Handbook of Simplified Solid State  
Circuit Design  
by John D. Lenk

2nd Edition  
Hardcover, 429 pages  
Published by Prentice Hall  
Publication date: January 1978  
Dimensions (in inches): 9.28 x 6.35 x 1.06  
ISBN: 0133817156  
List: \$41.00 ~ Our Price: \$28.70 ~  
You Save: \$12.30 (30%)  
Availability: On Order; usually ships within 1-2 weeks.

--  
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
<mailto:we6w@qsl.net> <http://www.qsl.net/we6w>

-----  
Date: Fri, 8 Aug 1997 14:52:56 -0500  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [24554] TEXAS QSO PARTY (QRP)WINNER?  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

All,

Many thanks to all who responded about the Belden  
coax. From all accounts, looks like I stumbled  
into a small gold mine.

Also, I just found out that I won the Texas QSO Party  
as the lone entrant in the QRP category! My 8832 points

were all it took. Won't be "official" to me until I get the certificate in a few days. This was the first year to have the QRP category, so that's pretty special to me.

Have a good weekend, all.

73 de Dave NR3E/5  
nr Dallas, TX  
qrp-l #25, ARRL  
WIMPS: Qs=054 30m=041 17m=08 12m=05 States=027/05/04  
DX=02/00/01

-----  
Date: Fri, 8 Aug 1997 13:54:51 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <ku7y@sage.dri.edu>  
Cc: "QRP-L list server" <qrp-l@Lehigh.EDU>  
Subject: [24555] fox hunt encryption: humor, no offense intended  
Message-ID: <199708082053.PAA17903@multi13.netcomi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Excerpts from thread:

> [ Authenticate: dolphin. The dingos smell the wallabies ]  
> Attention TEXAS/CALIFORNIA:  
> Nevada has broken the AZ code!  
> [ scQRPion's sting stung Stacy sternum ]  
>  
> AZ plans for sale to the highest bidder....  
>  
> :-)  
>  
> 73, Ron, SOWP 5545M,  
>

Ron, Ron, Ron,

You fell for the decoy encryption.

We broke the Zone code quite a while ago. They are actually using a double code method.

The actual plain text reads:

[ scQRPions smell like dingoes. Foxes can't skunk us.]

-----  
Date: Fri, 8 Aug 1997 17:07:26 -0700  
From: n4oln@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [24556] gal@nccmail.attmail.com (Gary Lindemann): Special events this weekend.  
Message-ID: <19970808.172048.8750.3.n4oln@juno.com>

ARS N40LN  
Gary Lindemann  
2638 Club Forest Ct. SE  
Conyers, GA. 30013-1904  
n4oln@juno.com

----- Begin forwarded message -----  
From: gal@nccmail.attmail.com (Gary Lindemann)  
To: n4oln@juno.com  
Subject: Special events this weekend.  
Date: Fri, 08 Aug 1997 15:41:29 -0500  
Message-ID: <PMX-TERM-2.2a-nccmail-gal-1749>

Akron, OH: Cuyahoga Falls ARC, W8VPV, 2200Z Aug 4 to 2000Z Aug 9, 60th anniversary,  
Soap Box Derby. 3.860 14.240 28.420 147.270. Certificate. CFARC, Box 614,

Cuyahoga  
Falls, OH 44222.

Elgin, IL: Elgin ARS, W9IKN, 1300-1900Z Aug 9, 750th club meeting. 7.265  
14.265 50.135  
147.525. Certificate. EARS, Box 1351, Elgin, IL 60121.

Tuckerton, NJ: Long Beach Island IOTA, N2OB, 1300Z Aug 9 to 2300Z Aug 10,

National  
Lighthouse Day. 40 20 15 28.400. QSL. Certificate. Old Barney ARC, N2OB,  
Box  
345,  
Tuckerton, NJ 08087-0345.

Benton Harbor, MI: Blossomland ARA, W8MAI, Aug 9 -10. All HF bands. Will

also  
operate Sep 13-14, 50th Anniversary of the Heath Co. QSL. Bela  
Lindenfeld,  
N8SHZ, 437  
Hoover, Benton Harbor, MI 49022.

Somerset, PA: Somerset Co ARC, KB3BOD, 1700Z Aug 9 to 2000Z Aug 10, Mt  
Davis,  
highest point in PA. 14.075 14.275 21.075 21.350. Certificate. KB3BOD,  
SCARC,  
Box 1453,  
Gray, PA 15544.

----- End forwarded message -----

-----  
Date: Fri, 8 Aug 1997 17:07:04 -0700  
From: n4oln@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [24557] gal@nccmail.attmail.com (Gary Lindemann): Maryland - DC QSO Party  
Message-ID: <19970808.172048.8750.2.n4oln@juno.com>

ARS N40LN  
Gary Lindemann  
2638 Club Forest Ct. SE  
Conyers, GA. 30013-1904  
n4oln@juno.com

----- Begin forwarded message -----  
From: gal@nccmail.attmail.com (Gary Lindemann)  
To: n4oln@juno.com  
Subject: Maryland - DC QSO Party  
Date: Fri, 08 Aug 1997 15:45:10 -0500  
Message-ID: <PMX-TERM-2.2a-nccmail-gal-1751>

Antietam Radio Association Presents the 1997 Edition of the

Maryland - DC QSO Party

August 9th 1600 - 0400 August 10th

and 1600 - 2359 August 10th

AWARDS

PLAQUES to - High Scoring Single Operators inside and outside of

Maryland-DC  
and  
to the High Scoring MD-DC CLUB!

Certificates to - 10 Best MD-DC Single Ops, Best Each: State, DC,  
Canadian  
Province, MD-DC Mobile, MD YL, QRP Per State, Novice-Technician Entry per  
State.

## RULES

Phone & CW: CW QSOs in CW Bands only! Stations may be worked once per  
band  
using each mode! Only single operator entries from outside MD-DC Area.

Non MD-DC stations work only MD-DC. Maryland-DC stations may work anyone!

Portables and mobiles that change counties may be counted as a new  
station in  
each  
new MD county! Sorry, no packet or repeater qsos allowed. QSOs part of a  
regularly  
scheduled net are not allowed.

Exchange: QTH and MAJOR CATEGORY of entry. QTH is County for MD-DC  
stations. Use State, Province, or Country as appropriate for Non MD-DC  
stations.  
MAJOR Categories are CLUB, QRP, MOBILE, Novice/Tech, and STANDARD!  
Station should send the Category that reflects their HIGHEST POINT VALUE!

Suggested Frequencies: Voice - 3.92 7.23 14.26 21.37 28.38 50.15 +  
Simplex  
Frequencies all bands 2 Meters and Higher. CW 3.643 3.701 7.035 7.126  
14.04  
21.115  
28.04 28.115 + VHF & UHF CW. Especially try CW on the odd half hours.  
Example  
1730  
1930 2130 2330z

Scoring: Add up the QSO POINTS & Multiply by sum of the Multipliers. QSO  
POINTS -  
10 points per club station QSO 5 points per Mobile QSO 4 points per QRP  
or  
Novice/Tech QSO 3 points for CW or RTTY or ATV QSO 1 point for any other  
valid  
contact. Highest single point value applies. Multipliers - Non-MD-DC Each  
MD

County + Baltimore City + DC (25 possible) MD-DC Stations - the basic 25  
above  
+ 49  
other states + Provinces + DX Countries Multipliers may be claimed once.  
They  
Do  
Not Repeat On Each Band!

ENTRY DEADLINE:

Send logs with S.A.S.E. by September 10, 1997 to the ANTIETAM RADIO  
ASSOCIATION (W3CWC) P.O. BOX 52 HAGERSTOWN, MARYLAND 21741-0052  
GOOD LUCK!

----- End forwarded message -----

-----  
Date: Fri, 8 Aug 1997 17:05:13 -0700  
From: n4oln@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [24558] gal@nccmail.attmail.com (Gary Lindemann): Hamfests this weekend  
Message-ID: <19970808.172048.8750.1.n4oln@juno.com>

ARS N40LN  
Gary Lindemann  
2638 Club Forest Ct. SE  
Conyers, GA. 30013-1904  
n4oln@juno.com

----- Begin forwarded message -----  
From: gal@nccmail.attmail.com (Gary Lindemann)  
To: n4oln@juno.com  
Subject: Hamfests this weekend  
Date: Fri, 08 Aug 1997 15:43:26 -0500  
Message-ID: <PMX-TERM-2.2a-nccmail-gal-1750>

1997

August 9

+ Porter County ARC, Valparaiso, IN  
Rich Ard, N9QLQ  
PO Box 1782, Valparaiso, IN 46384-1782  
219-762-0484  
<http://home1.gte.net/jton/hamfest.htm>

August 9

+ Tompkins County ARC, Dryden, NY  
Ross Boyer, N2ISU  
PO Box 4144, Ithaca, NY 14852  
607-844-4302  
E-mail: [rmb3@cornell.edu](mailto:rmb3@cornell.edu)  
[http://trixy.cit.cornell.edu/ross\\_pages/RADIO/radio.html](http://trixy.cit.cornell.edu/ross_pages/RADIO/radio.html)

August 9

x Juniata Valley ARC, Lewistown, PA  
Richard Yingling, WB3COB  
PO Box 73, Yeagertown, PA 17099  
717-242-1882

August 9

+ Radio Club of Tacoma, Tacoma, WA  
Alan Hughes, KB7SVU  
9312-147th St., Puyallup, WA 98373  
206-840-4947

August 9

+ Tri-State ARA, Huntington, WV  
Georgia Overby, KA8QME  
44 James Ct., Huntington, WV 25705  
304-522-1811  
E-mail: [kc0l@amsat.org](mailto:kc0l@amsat.org)

August 9

+ Yellow Thunder ARC, Baraboo, WI  
Bill Hommel, KA9QFJ  
529 4th St., Baraboo, WI 53913  
608-356-8571  
E-mail: [billh@baraboo.com](mailto:billh@baraboo.com)  
<http://www.thelorax.com/~ssschulze/hamfest.htm>

August 9-10

+ Shreveport ARA, Shreveport (Bossier City), LA  
Dana Wicks, KJ5SU  
PO Box 6326, Bossier City, LA 71171-6326  
318-746-9999  
E-mail: [hambone@softdisk.com](mailto:hambone@softdisk.com)

August 10

+ DuPage ARC, Stickney, IL  
Ed Weinstein, WD9AYR  
7511 Walnut Ave., Woodridge, IL 60517  
630-985-9256



August 10

+ Bluegrass ARS, Frankfort, KY  
Bill DeVore, N4DIT  
112 Brigadoon Pkwy., Lexington, KY 40517  
606-273-8345

August 10

\* Michigan State Convention, Jackson, MI  
Terry Osborn, K8SMC  
508 Dalton Rd., Jackson, MI 49201  
517-784-2398  
E-mail: k8smc@modempool.com

August 10

x St. Cloud ARC, St. Cloud, MN  
Charlie Grafft, N0SDL  
320-251-8008  
E-mail: jmaus@cloudnet.com

August 10

+ Central Oregon DX Club, Redmond, OR  
Bill Sawders, K7ZM  
19821 Ponderosa St., Bend, OR 97702  
541-389-6258  
E-mail: K9QAM@EMPNET.COM

----- End forwarded message -----

Date: 08 Aug 1997 17:57:29 -0500

From: "DeWell, Steve (AZ77)" <Steve.Dewell@CAS.honeywell.com>

To: QRP1 <qrp-1@Lehigh.EDU> (Return requested)

Subject: [24559] 38s sucess

Message-ID: <0727E33EBA45916A\*/c=US/admd=MCI/prmd=Honeywell/o=AZ-MTA/ou=MSMail/  
ou=CAS/s=Dewell/g=Steve/@MHS>

Content-Idenfifier: 0727E33EBA45916A

Content-Return: Allowed

Hi gang,

Well I guess it will never be done but my 38s is done enough to have made two contacts the other night. My rig despite my best attempts and efforts could not be willed into thumpless audio. My particular version of the thump is quite loud and very distracting. To cure this I sacrificed my qsk and changed the values of the R7 and C12 to increase the switching

delay to a bit more than half a second. I now get one thump per transmission. I know it was cheap but it will have to do untill I can put in a FET switch on the recovered audio. Intrestingly enough if I made that time constant shorter I could heard the other cmos switch thumping as well. Hmmmm maybe I will swap my 4066 next time I run across one.

It was a nice night on the radio being that all my equipment was homebuilt. Ahhhh cant beat the feeling. Do need to get a commercial set of paddles though... Anyway thanks to K5QLP Kenny, and K0MT Jerry for the contacts. Jerry taught me what the RF gain knob was for!!!!!! I heard his call from about ten feet away from my rig from the headphones on the desk. :)

72's

Steve KB7NKB

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End of QRP-L Digest 812

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